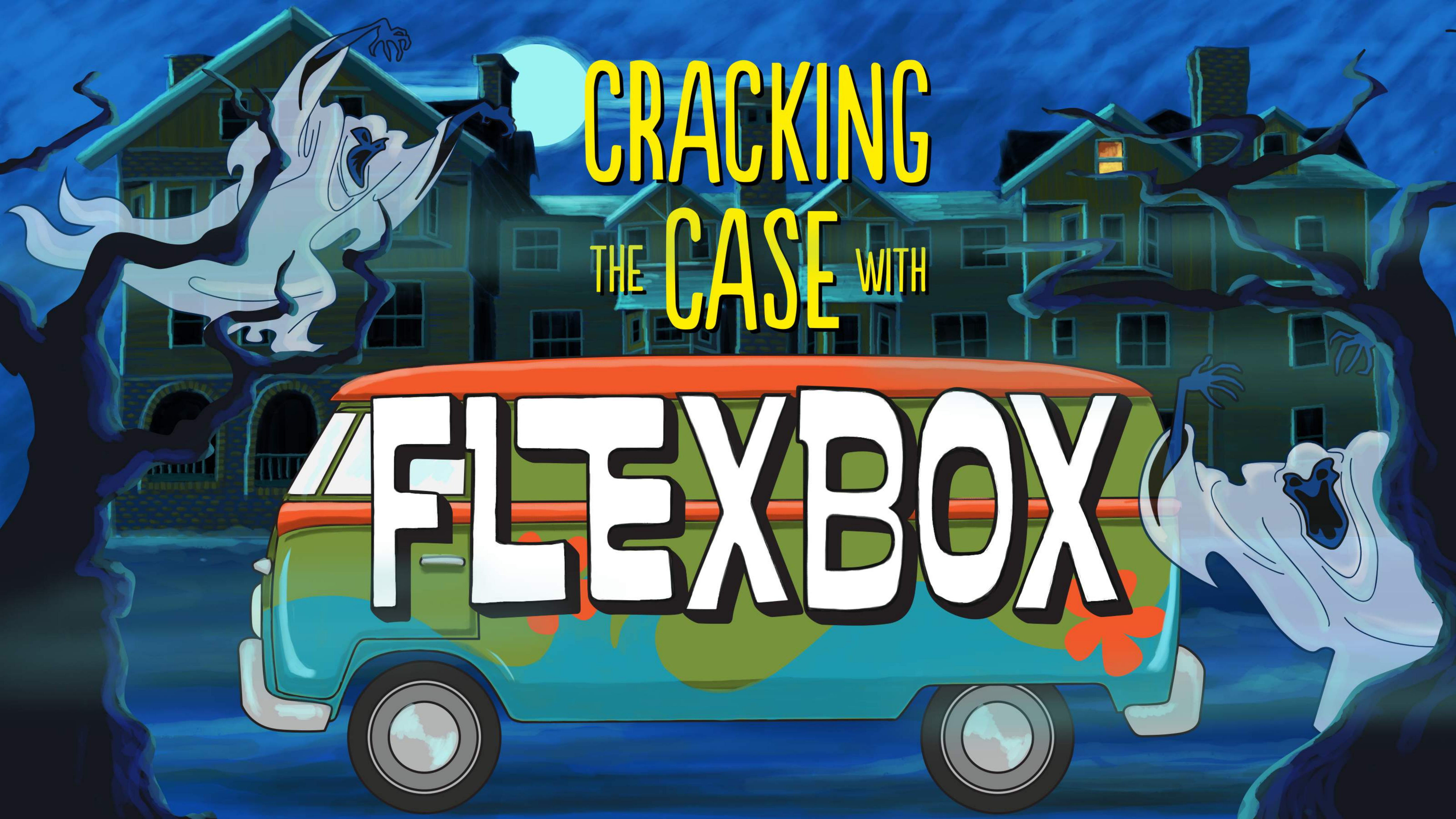



CRACKING

THE CASE WITH

FLEXBOX







Level 1 – Section 2

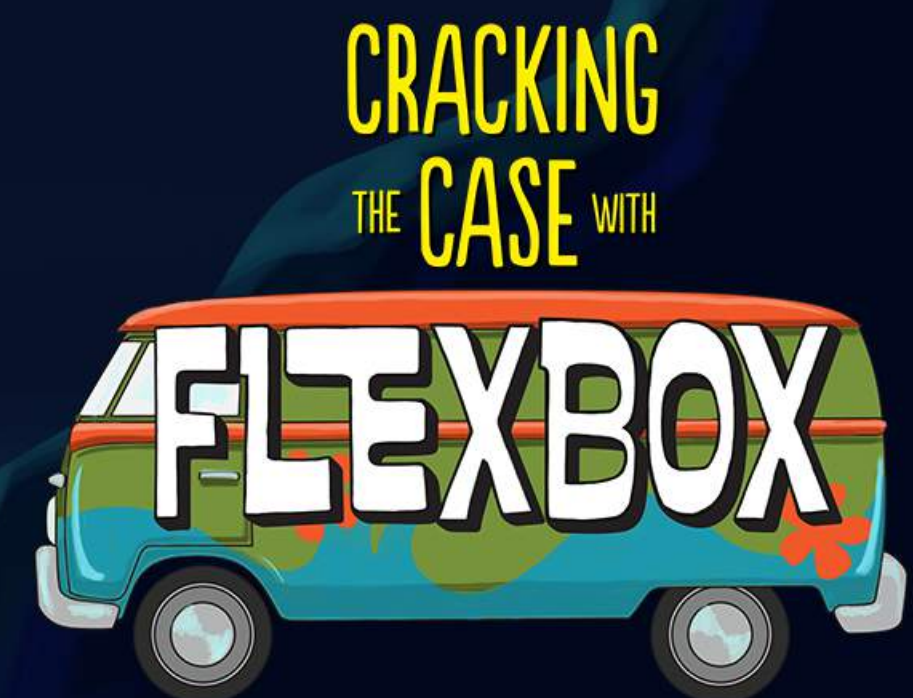
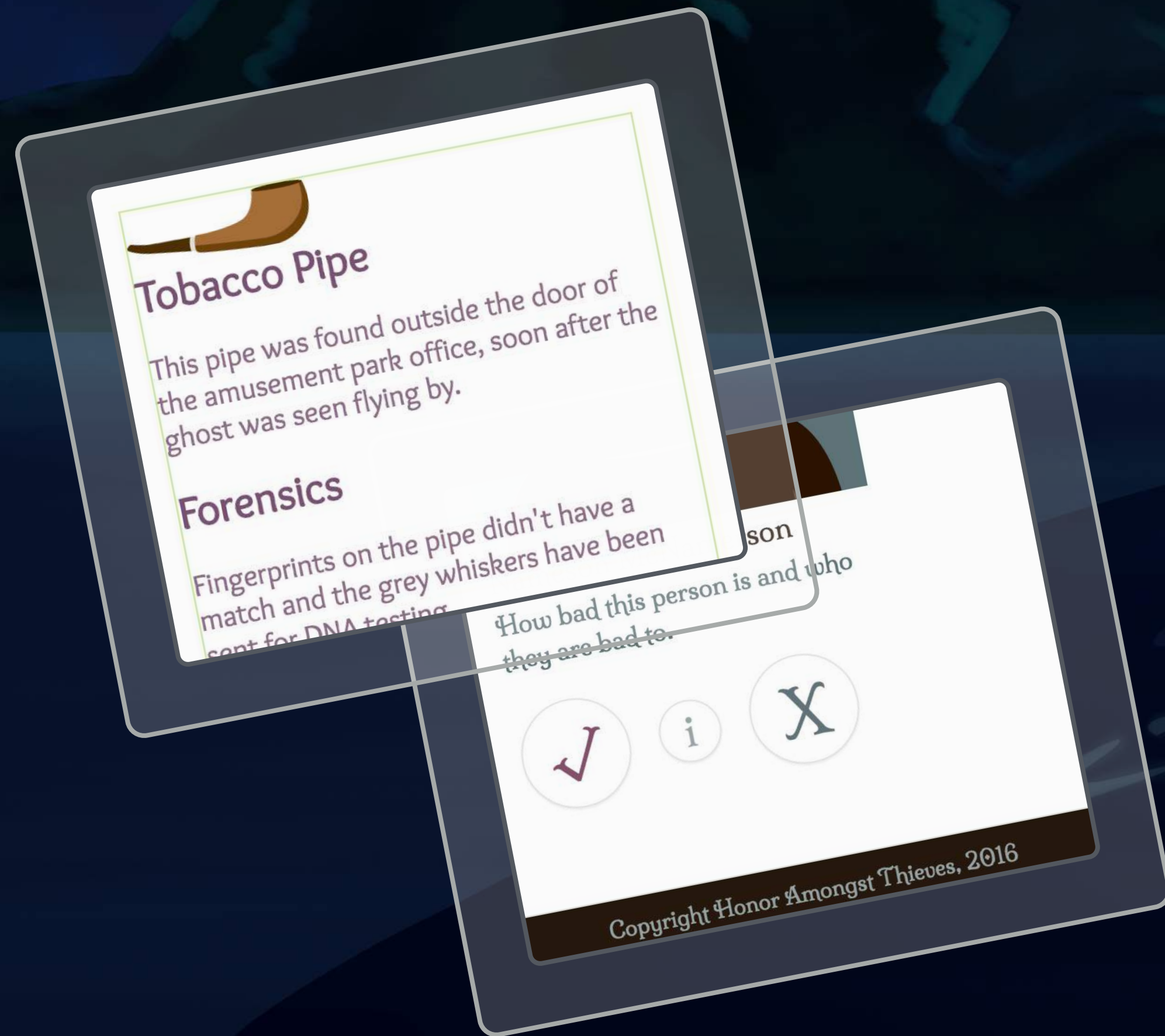
# Foreshadowing Flexbox

Wily Wrapping



# Flexbox Wrapping and Direction Examples

- Displaying flex items across multiple lines
- Changing the direction of flex lines
- Distributing space vertically





# Problem: Wanting Flex Items to Stack

index.html

HTML

```
<article class="clue">
  <img height="150" height="150" ...>
  <div>
    <h3>...</h3>
    <p>...</p>
    <h3>...</h3>
    <p>...</p>
  </div>
</article>
```

*These could go below the image*

*320px wide*



## Tobacco Pipe

This pipe was found outside the door of the amusement park office, soon after the ghost was seen flying by.

## Forensics

Fingerprints on the pipe didn't have a match and the grey whiskers have been sent for DNA testing.



# Solution: flex-wrap

This property's default value is nowrap and it accepts: nowrap | wrap | wrap-reverse.

index.html

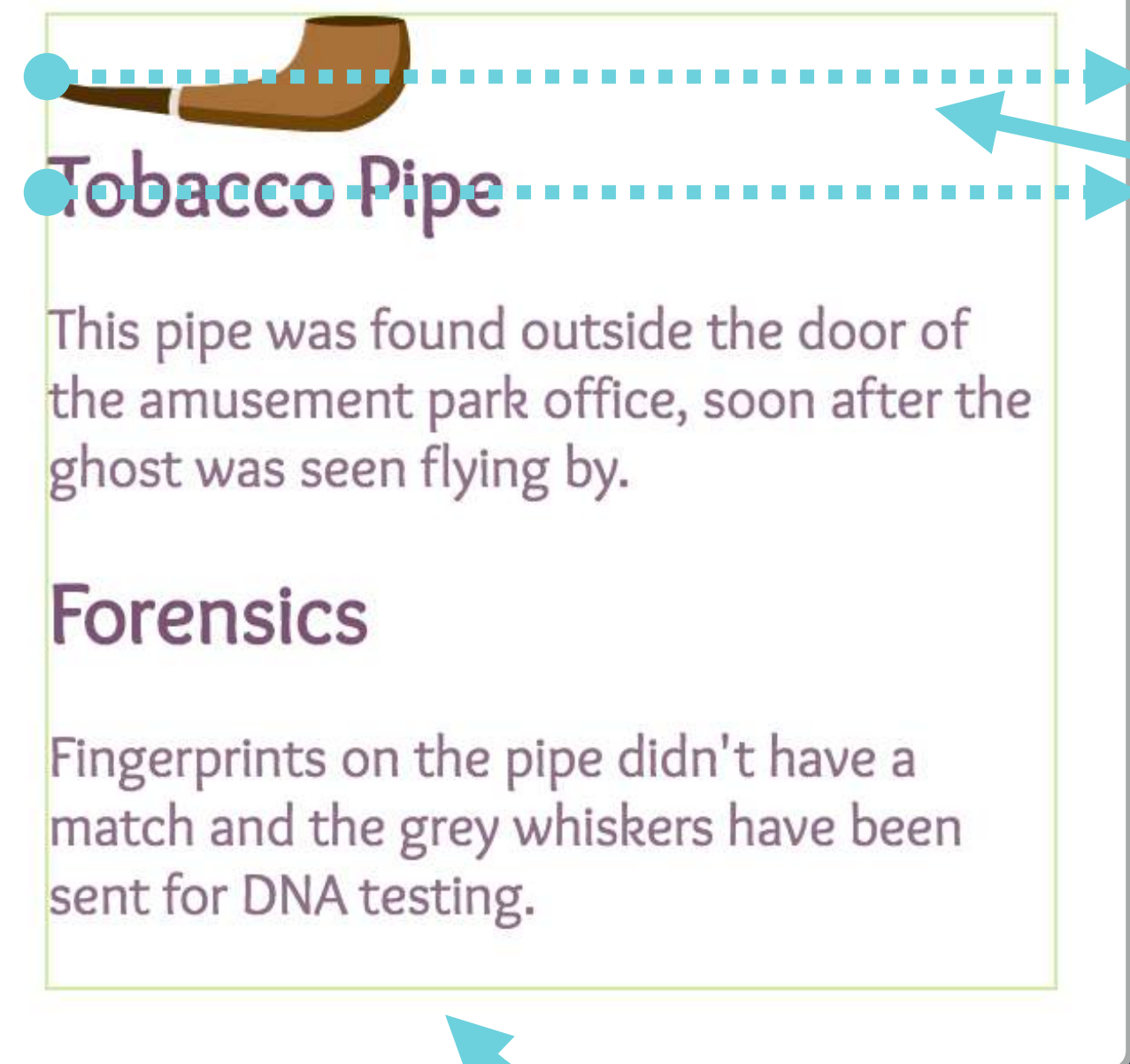
HTML

```
<article class="clue">...</article>
```

site.css

CSS

```
.clue {  
  border: 1px solid #d1eda6;  
  display: flex;  
  flex-wrap: wrap;  
}
```



*The div can't fit here, so it wraps*

*320px wide*



# Put It in Reverse?

The first of the flexbox properties that allows for rendering items in reverse.

index.html

HTML

```
<article class="clue">...</article>
```

site.css

CSS

```
.clue {  
  border: 1px solid #d1eda6;  
  display: flex;  
  flex-wrap: wrap-reverse; }  
}
```

## Tobacco Pipe

This pipe was found outside the door of the amusement park office, soon after the ghost was seen flying by.

## Forensics

Fingerprints on the pipe didn't have a match and the grey whiskers have been sent for DNA testing.



*The flex items reverse in order*



# Problem: Wanting Flex Items to Always Stack

index.html

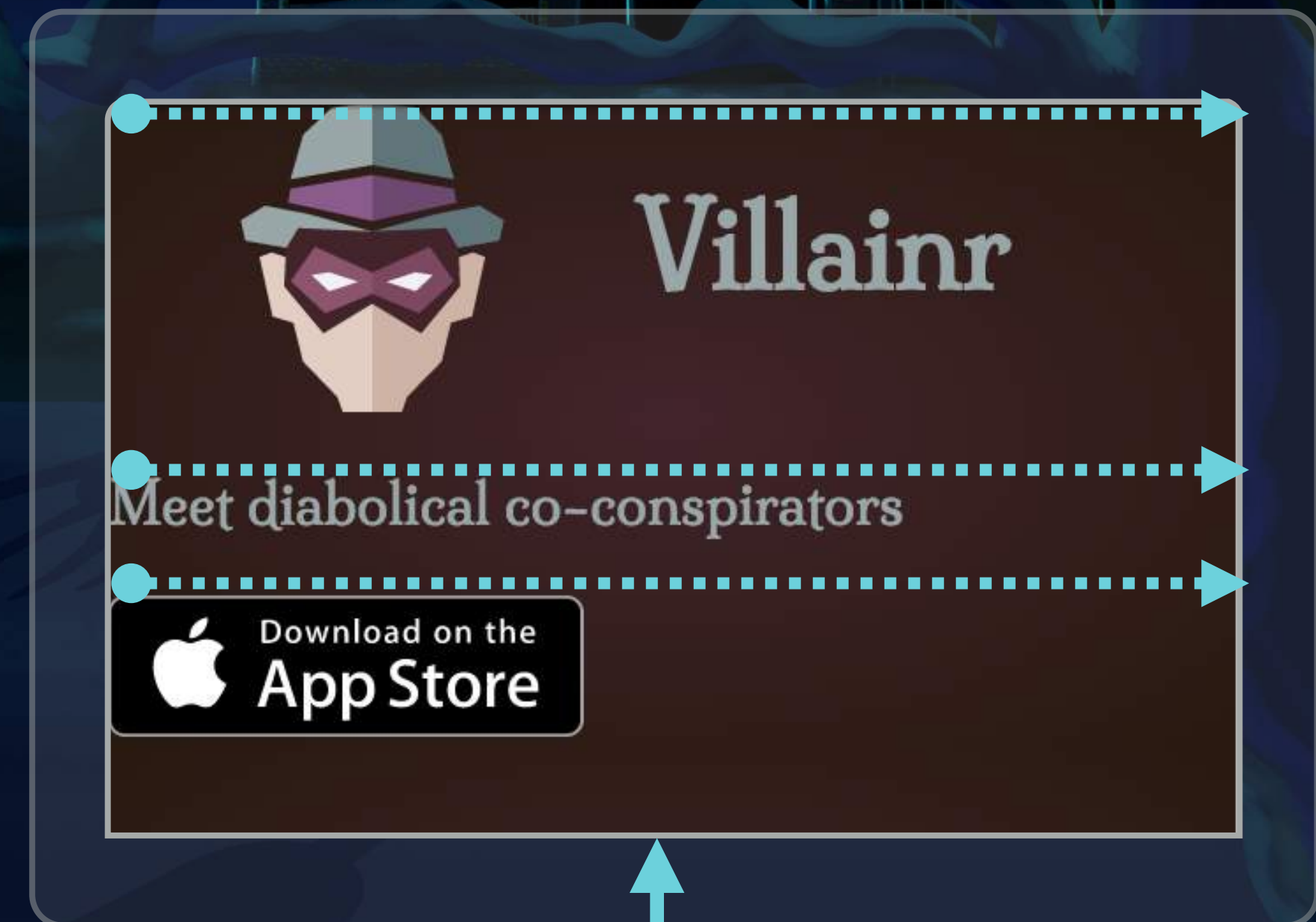
HTML

```
<main>
  <img ...>
  <h1>...</h1>
  <p>...</p>
  <a>...</a>
</main>
```

site.css

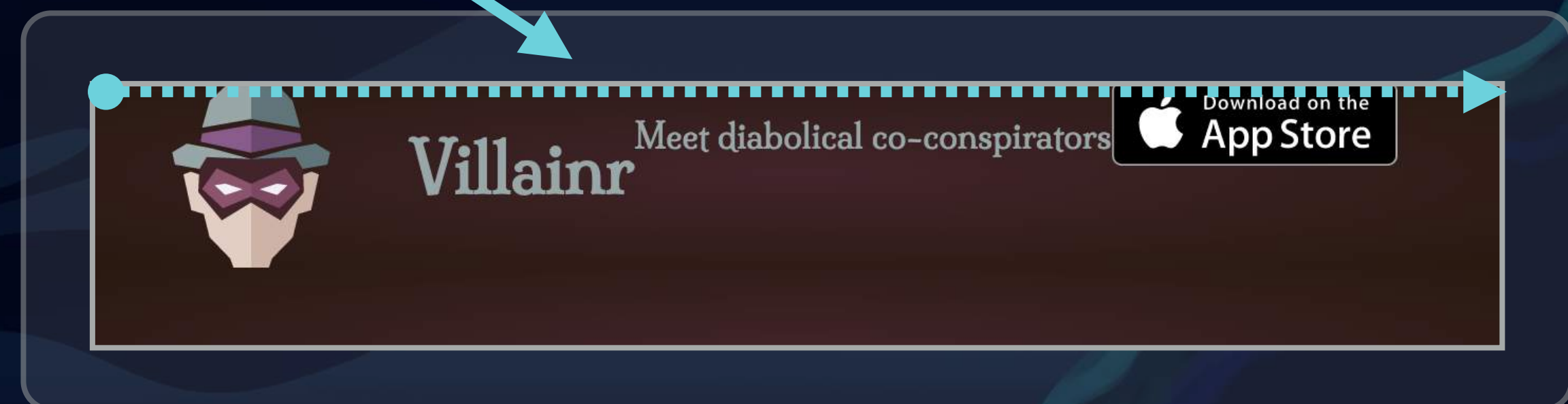
CSS

```
main {
  display: flex;
  flex-wrap: wrap; }
```



667px wide

320px wide





# Solution: flex-direction

The default value is `row` and it accepts: `row` | `row-reverse` | `column` | `column-reverse`.

index.html

HTML

```
<main>
  <img ...>
  <h1>...</h1>
  <p>...</p>
  <a>...</a>
</main>
```

site.css

CSS

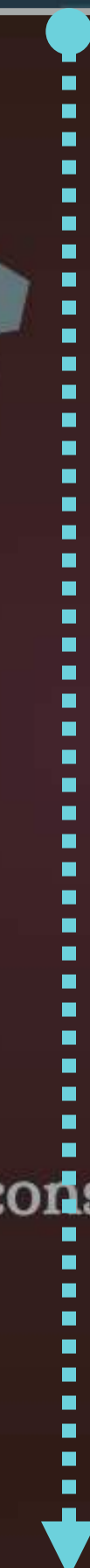
```
main {
  display: flex;
  flex-direction: column; }
```

*Flex items  
display  
vertically*



Villainr

Meet diabolical co-conspirators





# Page Layout With flex-direction

Main elements for layout are flex items with the `column` direction.

index.html

HTML

```
<body>
  <header>...</header>
  <main>...</main>
  <footer>...</footer>
</body>
```

site.css

CSS

```
body {
  ...
  display: flex;
  flex-direction: column; }
```

header

main

footer





# Mixing in Some Non-flexbox CSS

Setting the page elements to 100% height uses all available space.

index.html

HTML

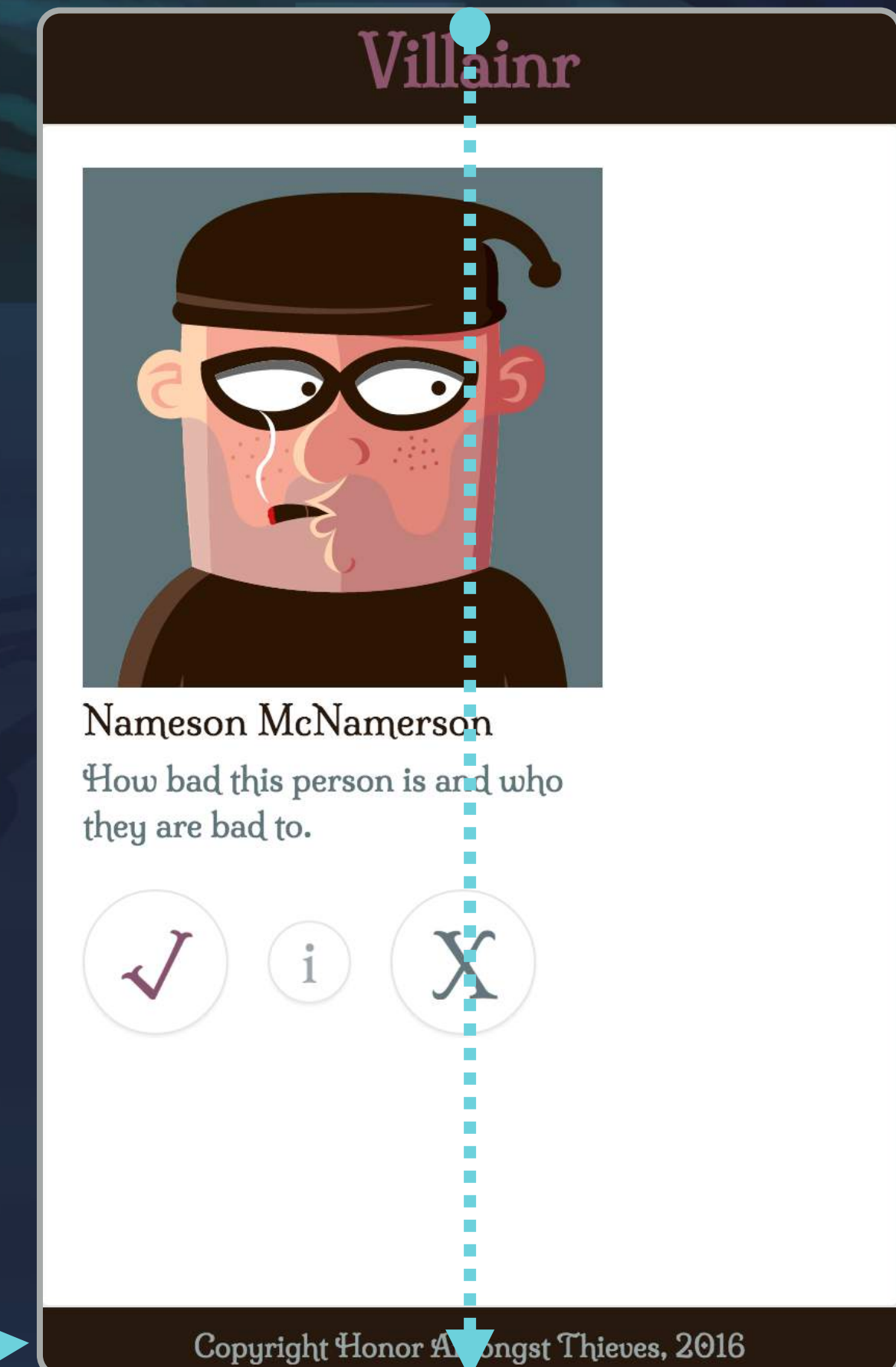
```
<body>
  <header>...</header>
  <main>...</main>
  <footer>...</footer>
</body>
```

site.css

CSS

```
html, body, main {
  height: 100%; }
```

*Stays at the bottom  
of the screen*





CRACKING

THE CASE WITH

FLEXBOX

